

ABSTRACT

In general, in one aspect, the disclosure describes a method of tracking a network statistic stored within a collection of bits. The method includes storing the collection of bits storing the network statistic as at least a first portion and a second portion. The first portion includes a set of least-significant bits and the second portion includes a set of more significant bits. The method also includes incrementing the first portion based on a packet and determining if the incrementing of the first portion caused a designated bit of the first portion to be set. If it is determined that the incrementing of the first portion caused the designated bit to be set, the method increments the value stored by the second portion and resets the designated bit within the first portion.